

A wear-resistant layer is applied to a surface, which is to be protected, of a component which is subjected to mechanical and/or fluidic loads and substantially consists of amorphous or amorphous-nanocrystalline metals. The layer for protecting against abrasive or erosive wear substantially consists of an Ni-W-base alloy or substantially consists of an alloy based on Cu-Al-Ti (or -Ta or -Zr) or Pd-Cu-Si or Pt-Al-Si or Ta-Si-N, or substantially consists of an alloy of Al, at least one rare earth and a transition metal, such as Cu or Ni or Co.

[illegible]